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[54] CORDLESS TELEPHONE SYSTEM

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[52] **U.S. Cl.** ..... **179/99 R**; 179/82

[58] **Field of Search** ..... 179/99 R, 82, 2 EB, 179/2 EA, 99 M, 81 R; 455/3733, 606, 607; 340/311.1, 825.06, 825.07, 825.08

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[57] **ABSTRACT**

The present key telephone system comprises cordless telephone stations (FIGS. **6** and **7**) which communicate over a line-of-sight transmission end link (**276** or **277**). The system further comprises a central controller (**101**) for switching communications between the cordless stations and to the message network. The central controller does not provide any station to transmission channel concentration. Concentration occurs in the bidding by a cordless station for access to a channel provided by the line-of-sight transmission end link. A particular number of transmission channels are provided by the line-of-sight end link which are bid for by any practical number of cordless stations. Subsystem controllers (**104**) are provided in a large cordless key telephone system. The subsystem controller reformats data for transmission between the central controller (**101**) and a cordless station. A unique code identifies a cordless station so that the allocation of a new channel to a cordless station may occur automatically when a cordless station is detected within the boundaries of a new subsystem.

16 Claims, 9 Drawing Figures